SYNTHESIS OF NANOMATERIALS AND THIN FILM Internship Report

Submitted by

Ms. J.VISHNU VARDHINI Ms. V. BHUVANESHWARI Ms. G. PRIYADARSHINI Mrs. M. SALIMA SULTHANA

Under the guidance of

Dr. P. Velusamy,
Assistant Professor,
Department of Physics,
Thiagarajar college of Engineering, Madurai.



Department of Physics
Thiagarajar College of Engineering
(Affiliated to Anna University)
Madurai - 625015



Research Centre of Physics Fatima College(Autonomous) Madurai - 625018

Certificate

This is the certify that be Internship work on SYNTHESIS OF NANOMATERIALS AND THIN FILM done by Bhuvaneshwari V (2023MSCP05), Priyadharshini G (2023MSCP15), Salima Sulthana M (2023MSCP19), Vishnu Vardhini J (2023MSCP21) under the guidance of Dr. P. Velusamy, Assistant Professor, Department of Physics has been submitted as an internship report on 06.06.2024 at Thiagarajar college of engineering, Madurai.

A. Sheela Vimala Rani,

Head of the Department,

The Research Centre of Physics,

Fatima college (Autonomous),

Madurai - 625 018.

Certificate

This is the certify that be Internship work on SYNTHESIS OF NANO MATERIALS AND THIN FILM done by Bhuvaneshwari V (2023MSCP05), Priyadharshini G (2023MSCP15), Salima Sulthana M (2023MSCP19), Vishnu Vardhini J (2023MSCP21) under the guidance of Dr. P. Velusamy, Assistant professor, Department of Physics has been submitted as an internship report on 06.06.2024 at Thiagarajar college of engineering, Madurai.

Dr. M. Mahendran,

Professor & Head,

Department of Physics,

Thiagarajar college of Engineering,

Madurai – 625015.

Dr. M. MAHENDRAN, Ph.D., FASCH...

Professor and Head Department of Physics Thiagarajar College of Engineering Madurai - 625 015 Dr. P. Velusam

Assistant professor,

Department of Physics,

Thiagarajar college of Engineering,

Madurai - 625015.

Dr.P.VELUSAMY. M.sc., B.Ed., M.Phill., Ph.D., PDF
Assistant Professor
Department of Physics
Thiayagarajar College of Engineering
Madurai - 625015.

DECLARATION

We hereby declare that the dissertation titled on "SYNTHESIS OF NANO MATERIALS AND THIN FILM", submitted to Fatima college (Autonomous), Madurai – 625018 to the award of degree of Master of Science in physics is a record of original internship report carried out under the supervision of Dr. P. Velusamy, Assistant professor, Department of Physics, Thiagarajar college of engineering, Madurai.

V.Bhuraneshwari V
(2023MSCP05)

Gr. Priyadharshini G

(2023MSCP15)

M. saline rullham Salima Sulthana M (2023MSCP19)

Vishnu Vardhini J
(2023MSCP21)

Place: Madurai.

Date: 06. 06. 2024

Acknowledgement

I am grateful to mention the people whose constant inspiration, guidance and Blessings made my internship work a successful one.

I thank God for his substantial blessings and mercy at all stages of the completion of my internship work. Taking this opportunity, I thank my parents and friends for their sacrifices in supporting me.

I feel honored to place a warm salutation to the management of THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI which gave me the opportunity to have a strong base in physics and practical and theoretical knowledge.

I express my sincere thanks to THE PRINCIPAL, THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI for giving me a comfortable environment and extensive support rendered to carry out this Internship work successfully.

It is my immense pleasure to express my heartfelt thanks to DR.M. MAHENDRAN, PROFESSOR & HEAD, DEPARTMENT OF PHYSICS, THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI for his valuable guidance and encouragement.

It is my immense pleasure to express my sincere gratitude to DR.P. VELUSAMY, ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS, THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI. I owe my deep sense of gratitude and I feel extremely fortunate to have worked under him.

I like to thank to all Facilities and Lab assistants in Department of Physics of Thiagarajar College of engineering Madurai, for their support and valuable suggestions at different stages of this internship work.